

- Luther Dana's Journal, in the Ship Recovery, from Salem to Labuan-Nadje (Sumatra); from thence to Cadiz.

Take a departure from Thatcher's Manid (138). make Bonavista (140). rigging & sails covered with a fine reddish coloured sand near this place, make Hog Island (158). and other islands near it (160). Various remarks on the land, soundings, shoals &c about Hog Island and from thence to Muckie from Page 160 to Page 168. Come to anchor at Muckie (168). Proceed from thence to Labuan-Nadje (170). Remarks on the Mooring in the Bay of that place (170). Observe in the latitude of $3^{\circ} 23' N$. when Muckie bore $N 68^{\circ} E$ dist (166)

Let sail from Labuan-Nadje for home (172). drifted to the southward of Hog Island by the current (172) make P. Baniack (172). Make P. Wyas (174). Observe in the Latitude $2^{\circ} 18' N$. when a small Id. off the westerly part of P. Wyas bore $E S E$. dist 5 leagues. Take a departure from this land (176) make the I. Bourbon (180). Make the land near Point Natal (182) Experience a westerly current (182). Make Cape False & other land near the Cape of G. Hope (184) Various soundings on Lagullas banks. Make I. Brave, have a lunar observation near it (190). make Cape St Vincent, St Mary, arrive at Cadiz (196).

Various remarks on Labuan-Nadje & other places on the coast of Sumatra (199 to 203) Latitude of Labuan-Nadje (199). Customs manners &c of the natives, method of doing business &c 201. 202. Coins weights &c 203. Observations on the existence of New St Helena (204).

Joseph Orne's journal to Calcutta & back, in the Ship Essex.

Set sail from Salem (208) On the 30th April 1802, experience a singular shock like an earthquake. (210 & 266) Make the Islands of Tristan da Cunha (220 see also pages 266, 267 & 268). Make Ceylon (232) experience a strong southerly current (232). Make Point Gardeware (234) Ganjam, Jagernaut Pagoda, & Black Pagoda (234) Various soundings on the coast (234) Arrive at Calcutta (235) Various magnetic observations in this passage,

Take a departure from Point Palmyras (238) meet with light airs & small southerly current (240, 242) a white squall struck the ship (250, 268). Southerly current in the Mozambique (250) get soundings on Lagullas Banks (250) Make the mountains back of Cape Lagullas (252). Make the Cape of Good Hope (252) make St. Helena & come to anchor there (254). Set sail from St. Helena (256) get soundings on the Coast (264) take a Pilot & pass over Mauritius Shoals, arrive at Salem (264).

Observations on the Islands of Tristan da Cunha.

Observed latitude of Inaccessible I. $37^{\circ}.22' S.$

do. Tristan da Cunha $37.8 S.$

Observations on the longitude of Tristan da Cunha, estimated by Capt Orne to be in $13.10 W$, but had no observations when in sight of it (266) Difference of longitude between Tristan da Cunha & Inaccessible I. 20 miles, which is much greater than Sturtevant makes it; agreeing in this, with journal N^o 20 page 603. Views of these Islands. page 267.

Great numbers of magnetic observations in this journal,

Morning 25th Aug. Cloudy & hazy to the Eastward. between 7 & 8 AM. the clouds breaking away at that quarter - saw what appeared to us like land in a high mountain with a sharp top. The S^W Western side descending gradually from the top - the other side broken through. bearing N.E. by E. Dist 12 or 14 leagues. Steered N. with 18th or 19th Westward variation. made about 40 miles dist. by log. by moon. Then had a good Observation in the Lat. 16.20 South. which is 25 to the Southward of James Town in S^t Helena - Thick clouds rising in the quarter when we saw the land. we lost sight of it about 10 o'clock AM. to which time it continued in nearly the same shape as seen at first. From the Lat. observed at noon (Long. by account 4.11 W) depart. taken from the Cape) concluded that we must have been too far to the Southward of S^t Helena to have seen any part of it when we first saw this land especially as the Horizon was not very clear at any quarter. Supposed what we had seen was nothing more than the reflection of the Sun's Rays on the clouds; Since & for the following reasons. I have no doubt it was land and more than probable what is laid down in some charts of the Ethiopick ocean for New S^t Helena whose existence is mentioned as doubtful.

In my run for the Cape Northward to the Lat. of Ascension, repeatedly saw evident signs of currents but had no opportunity to try it, but allowed for it setting Westward in proportion as we every day found ourselves from the Lat. by observation set to the Northward of our latitude by account. Doubtless the current was running to the Eastward instead of westward as afterwards found I was carried several leagues to the Eastward of my longitude by account.

21st August Long. by account 7.20 East Passed several large & fresh looking kelps and some pieces of drift wood. and for one or two days imagined that Water to have the colour common on Soundings, when the Sun was up, there was nothing unusual in sight, supposed it to be the reflection of the Sky took little notice of it.

From the Cape to the Lat 14.15 S. we were accompanied by many birds. common on the Bank of aquilins and about the Cape. - Except of variation which impeded more to the fault of the compass than any error in the Long. by account. 3 Sept. Latitude 14.17 S. Long. acct. 20.34 W. Variation 13 or 14 W. had a Lunar Observation which gave the Long. in 17.15 W. This is the first we had taken since our Departure from the Cape - Continued our course to the Northward & Westward.

4 Sept. Lat. 2.46 S. Lunar 17.37 W. Variation 12 West

5 " 1.20 S. " 19.36 W. " 11 W

6 " 0.6 S. " 21.02 W. " "

12 Long. by Eclipse of the moon 23.25 same evening had a Lunar observation by a Star & Moon gave the Long. 23.32 W

14 Sept. Lat. 12 W. Lunar Obs. gave the Long. in 24.23 West. Variation 14 W. -

Morning 17 Sept. Saw the Cape Verd Isl^{ls}. Brava. 12 or 14 leagues to the Northward on a medium of 2 Lunar Obs. before noon. at 9 o'clock and 9.30 which nearly agreeing gave the Long. in 24.42 W. the Middle Island bearing N. by E. at noon observed in the Lat. 13.57 N. all these Observations when allowance is made for the courses and dist. between them since passing the Meridian of S^t Helena agreeing well with each other & are far to the Eastward of any Long. by account that were kept on board. and lead me to suppose that I passed on a track near the place imagined to New S^t Helena as laid down in some charts.

(No. 14)

Journal

From *Salem* towards *Calcutta, & back*
 in the *Ship Essex* . . . *Joseph Orne* . . . Master :
 kept by *himself* . . . for the use of the
EAST INDIA MARINE SOCIETY.

At a Meeting of the **EAST INDIA MARINE SOCIETY**, at their Hall, on Wednesday evening, November 4, 1801, it was unanimously voted, That, in order to promote one great object of their institution, which was the acquiring of nautical knowledge, a Committee should be chosen to procure *BLANK JOURNALS* for the use of the Society; and that each Member bound to sea should be furnished with one of them, to be returned at the end of his voyage, with a regular diary of the winds, weather, and remarkable occurrences, during his voyage, arranged in such manner as the Committee should direct.

Conformable to the above vote, a Committee was chosen; who, having procured *JOURNALS* of the present form, request the Members to fill up the blanks according to the following

DIRECTIONS.

THE blank at the top is to be filled up with the names of the Master, and of the person keeping the Journal, the name of the ship, and the places nearest to the ship on the days given in that page. As for example: after passing the Cape de Verds, say, from the Cape de Verds towards the Cape of Good Hope.

In the 1st column of the Journal must be marked the day of the month; in the 2d, the course made good on that day; in the 3d, the distance sailed; in the 4th, the latitude at noon by account; in the 5th, the latitude by observation; in the 6th, the longitude by account; in the 7th, the longitude by observation reduced to noon by means of the log, or a time-keeper.

When the variation is observed, it is to be marked in the 10th column, the latitude and longitude in at the time of taking the observation being calculated from the observed latitude and longitude at noon by means of the log, and marked in the 8th and 9th columns. When the variation is observed both in the evening and morning of the same sea-day, the evening observation must be marked first; and it may be also noted whether the observation was by an azimuth or amplitude, by marking the former *az.* and the latter *am.*

The winds are to be marked in the 11th column, two or three times each day, placing them regularly beneath each other.

In the right hand column must be noted, the general state of the weather, winds, currents, bearings of capes, islands, &c. with their estimated distances, and any other remarks that may be useful to navigators.

When an opportunity offers to take any observations for determining the latitude or longitude of any remarkable place or point of land, it should be carefully attended to; and, for the satisfaction of those who may examine the Journals, it will be proper to give a detail of the observations. Thus, if the observation was taken for determining the latitude by the meridian altitude of the Sun, it would be proper to note the altitude of the Sun's lower limb, taken from the quadrant, his declination, and the bearing and distance of the place at the time of observation. Should the place not be in sight at the time of taking the meridian observation, it would be proper to note the course and distance made good by the ship, between the times of taking the meridian observation and observing the bearing of the land. A particular attention to observations of this kind will probably be the means of procuring a valuable collection of useful information. If the latitude or longitude observed should differ from any late books or charts, it would be proper to note it. In case any general remarks on the wind, weather, &c. experienced in the passages, should occur to the Journalist, he is requested to arrange them in the pages allotted for that purpose at the end of the Journal. A blank page is also assigned for an account of the coin, weights and measures of the several places touched at in the voyage; and it is hoped that care will be taken in acquiring information on these subjects. Any remarks on the commerce of the different places touched at in the voyage, with the imports, exports, and manner of transacting business, will be of public utility. Whatever is singular in the manners, customs, dress, ornaments, &c. of any people, is deserving of notice.

There should be collected, for the Museum, specimens of various kinds of vegetable substances, earths, minerals, ores, metals, volcanic substances, &c. There should also be preserved such parts of birds, insects, fish, &c. as serve most easily to distinguish them, and if no part can be preserved, a description of any that are remarkable may be given. Inquiry should be made for any remarkable books in use, among any of the eastern nations, with their subjects, dates and titles. Articles of the dress and ornaments of any nation, with the images and objects of religious devotion, should be procured.

Journal, in the Ship Essex - Joseph

Date. 1802.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Friday February 19	S 63 E	74	North 42° 4'	North none	West of London 69° 4'				
Saturday 20	S 46 E	128	40° 35'	none	67° 2'				
Sunday 21	S 82 E	178	40° 4'	none	63° 11'				
Monday 22	N 86 E	95	40° 10'	none	61° 7'				
Tuesday 23	N 75 E	56	40° 24'	none	59° 56'				
Wednesday 24	S 72 E	143	39° 40'	none	56° 59'				
Thursday 25	S 66 E	173	38° 30'	none	53° 36'				
Friday 26	S 6 E	64	37° 27'	none	53° 27'				
Saturday 27	S 20 W	52	36° 38' 37° 20'	37° 20'	53° 49'				
Sunday 28	S 38 E	59	36° 34'	36° 32'	53° 4'				
Monday March 1	S 50 E	120	35° 16'	35° 29'	51° 10'				

Orne Master, from -- Salem -- towards Calcutta --

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
North N by E NNE.	Dep taken from Cape Ann bearing NW by W 6 leagues at 6 o'clock. hard gales; a heavy swell from NE. & severely cold weather with snow & hail. at 10 am bore away to run out the South Channel.
NNE NW North.	First part hard gales with snow - the ship much incumbered with Ice - at midnight judging myself clear of George's Shoal took the wind NW & steered ESE - at 6 am wind hauled to the North.
NW. North NW.	Strong westerly gales & thick weather. Ice beginning to thaw a little. Saw a Schooner. Steering to the South. D. - - - - - Sat Studd G sails. &c - - - - -
North East SE by S.	Variable winds with thick weather. at 6 am took 2 Ships - latter part coming on to blow heavy. with rain. - - - - -
ESE SW West	Hard gales thick weather & a heavy sea. at 6 ^{1/2} am hove to. und. 4 P.M. stay sail & mizen stay sail - laid till 10 am - then bore away Wind at West. $\frac{3}{4}$ of a point Var ⁿ - allowed latter to
W by N North NE -	Moderate breezes & a heavy sea, could carry but little sail. the rigging very slack. just entering the edge of the gulph stream - 1 Point Var ⁿ allowed this day - - -
NNW. North NNE -	Hard gales, heavy squalls, with sleet, & snow. Water quite narrow in the gulph stream - 1 Point Var ⁿ allowed - - - - -
NNE NE ENE.	Heavy gales & a tumbling sea. at 5 PM hove to & laid 14 hours then made sail, but was oblig'd to heave to again - drift 2 1/2 knots - in the Gulph still. - - - - -
East. E by N ENE.	First part heavy gales still lying to, at 5 AM made sail got 4 obs ⁿ for the first time & corrected my reck ⁿ in the gulph stream. - - - - -
E by N NE ENE	Gentle breezes & cloudy - two ships in sight, one bound to the Eastward, the other to the westward - - Sat up rigging &c
NE ENE East -	Moderate breezes this day - nothing remarkable - corrected for diff Lat - - - - -

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
March			North		West of London				
Tuesday	S 19 E	11 1/2	33° 43	33° 43	50° 25	-----	---	---	---
Wednesday	N 36 W	42	34° 17	34° 17	50° 55	---	---	---	---
Thursday	S 53 E	54	33° 45	33° 47	50° 1	---	---	---	---
Friday	N 85 E	90 1/2	33° 55	33° 53	48° 13	---	---	---	---
Saturday	E 3. 30 S	152	33° 44	33° 44	45° 11	---	---	---	---
Sunday	N 86 E	46 1/2	33° 47	33° 48	44° 16	---	---	---	---
Monday	N 40 E	69	34° 41	34° 42	43° 23	---	---	---	---
Tuesday	N 50 E	109	35° 54	35° 56	41° 41	31° 54	34° 54	43° 1	amp, 14° 35
Wednesday	N 80 E	66	36° 7	none	40° 21	---	---	---	---
Thursday	S 81 E	90	35° 51	35° 51	38° 22	---	---	---	---
Friday	N 67 E	102	36° 31	none	36° 25	---	---	---	---

One Master, from *Salem* towards *Calcutta*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
E by N East E N E	Fresh breezes & cloudy all day - out of the Gulph I suppose at noon wore ship to the Northward. - - -
N E by N N E N E by E	Fresh breezes, heavy sea & thick weather - at 6 AM wore Ship. - - -
N E N E by E E N E	Moderate breezes, & a rolling tumbling sea from N E.
S E South S by W	Moderate breezes, & thick, cloudy weather. - - -
S by E S by W S W	Gentle gales, with cloudy weather. - - -
N E Calm E S E	Light Air & clear - at midnight calm - latter part A light Air from E S E - & thick weather. 1 1/4 pt Varat ⁿ allowed
S E by E Calm S by S	Light Air & cloudy a Brig Standing to the Southward. latter part gentle gales, saw the same Brig stand to the Eastward.
S E W S E 1/2 S S E 1/2 S	This is the first opportunity of taking an azimuth or amplitude, since sailing - & I believe, such a series of dull weather, & lead winds, was never before experienced, in this season of the year.
S E N E N E by N S E	Winds very variable, with squally, ugly weather. - - -
S E by E E S E S E	Squally - rainy &c - but a following sea. 1 1/2 pt Var ⁿ allowed
South S E by S S E	Fresh breezes. at half past 11 am. Carried away the Bow-sprit 5 1/2 feet within the cap - turn'd up all hands to clear the wreck; kept her away before the wind; handed every sail except the fore sail, down & T Gall ^t mast & yard - took the spring stay to the stump to secure the J S Mast.

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Saturday March 13	E 7 S	116	North		West of London				
			36° 17'	36° 18'	34° 3'	---	---	---	---
Sunday 14	SE 3/4 E	146	34° 51'	34° 54'	31° 39'	---	---	---	---
Monday 15	S 25 E	178	32° 13'	none	30° 9'	---	34° 14'	31° 24'	az 19° 7'
Tuesday 16	S 3 W	91	30° 43'	30° 42'	30° 14'	---	---	---	---
Wednesday 17	S 1 30 W	125	28° 37'	28° 36'	30° 17'	---	---	---	---
Thursday 18	S 15 E	129	26° 32'	26° 34'	29° 40'	---	28° 4'	30° 17'	am 16° W
Friday 19	S 16 E	158	24° 2'	24° 2'	28° 52'	---	26° 1'	29° 31'	az 15° 7'
Saturday 20	SE 3/4 E	168	21° 38'	21° 35'	27° 18'	---	23° 25'	28° 29'	az 14° 45'
Sunday 21	S 29 E	147	19° 27'	19° 25'	26° 1'	---	---	---	---
Monday 22	S 28 E	139	17° 16'	17° 17'	25° 12'	---	18° 55'	25° 44'	az 13° 30'
Tuesday 23	S 21 E	89	15° 53'	15° 53'	24° 39'	---	---	---	---

One Master, from *Salem* towards *Calcutta* . . .

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
by W SW NW	Brisk breezes & squally: Carpenter employ'd fixing cap & keel on to the remaining part of the bowsprit - all hands employ'd fixing the rigging & putting things to rights.
NW ENE	This day got the jibboom in end & spent soul yard across. Sat Jell & reeched the bowsprit as strong as before - & 6 feet shorter
E E by S ESE	Moderate breezes with rainy weather
East SE SSE	Squally weather with flying clouds.
SE ESE	Gentle breezes, with thick & hazy weather. at 6 PM saw a brig running to the westward - at 10 AM saw a ship running to the SW in passing as she shew'd American colours
East. NE ENE NNE	This day took the North east Trade winds - the very faint
NE North NW E by S	The wind to day seem'd to be a kind of a flying trade wind, that is dancing all round the compass: occasion'd probably by the sun's being in the Equinox - which interrupts the course of nature, & produces disagreeable weather, all over the world.
East E by S ESE	Quite a fresh trade, but remarkably far to the southward, as the only time I ever pass'd this tract before, the wind's came continually from NNE & NE by N.
East E by S ESE	Squally, raining, disagreeable weather with a rough sea, the wind so far southerly, obliges to sail close hauld -
E by S E by SE ESE	Squally weather, & wind in puffs from SE, is a very comical NE trade wind
East E by S East	Strong breezes & very cloudy - at 5 PM perceived that the H. T. boat was sprung - down with him & sent up another, look'd out for the Island St Anthony but could not see him -

Journal, in the Ship Essex. Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Wednesday March 24	S 37 E	111	14° 24	14° 22	23° 31				
Thursday 25	S 31 E	126	12° 34	12° 34	22° 25		13° 52	23° 10	amp 12° 35
Friday 26	S 33 E	150	10° 22	10° 22	20° 57		12° 5	22° 5	amp 12° 26 12° 30
Saturday 27	S 32 E	144	8° 19	8° 19	19° 39	24° 30	9° 47	25° 23	amp 12° 23
Sunday 28	S 40 E	85	7° 22	7° 22	23° 25	24° 3	8° 4	24° 19	amp 12° 10
Monday 29	S 63 E	74	6° 49	6° 49	22° 56	22° 35	7° 10	23° 45	amp 12° 5
Tuesday 30	S 57 E	74	6° 9	6° 5	21° 32		6° 43	22° 26	amp 12° 14
Wednesday 31	S 44 E	72	5° 3	5° 4	20° 41				
Thursday April 1	S 18 E	33	4° 34	4° 36	20° 28		4° 55	20° 39	amp 12
Friday 2	S 18 E	39	3° 59	4° 2	20° 16				
Saturday 3	S 16 E	93	2° 32	none	19° 53		3° 43	20° 9	amp 12° 15

One Master, from Talem towards Calcutta

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

Ely N
S. V. E
Ely N
Cloudy & dark weather - not seeing the Islands. I judge myself to the westward of the reckoning. as if I were to the eastward the water would be discoloured off the African coast.

East
Ely N
Ely N
Light winds & very hazy weather - nothing remarkable

Ely N
Steady
the two last days works correct for a southerly current

Ely N
Ely N
By mean of two lunar Obsⁿ this day, found the ship to be at 10 AM, in Long 24° 35' W of Greenwich - differing from the reckoning 4° 50'. which seems rather remarkable as she was in the Gulf Stream 5 days for which I made no allowance

E N E
N E
North
the Lunar of this day makes the ship to have been 5° 27' West of reckoning differing from the mean of two yesterday 37 miles - the I think yesterday was the most accurate being the mean of two, & a better chance of measuring the angular distance

N N E
N W
W S W
The lunar Obsⁿ of this day differs from yesterday's 21 miles & agrees with the two first taken very nearly.
Light Airs - very faint & variable

S P W
round to
N E
Very light Airs & smooth water, a very accurate Amplitude this day: the longitude is deduced along from last lunar Obsⁿ & both longitudes reduced to the Mer^r of London

N E
N V E
North
First part of this day clear, & warm weather. but soon becomes cloudy & rains, many fish about the ship

North
Light Airs next to calm all this day - fanning along with studding sails both sides

from N E
to S E and
N W
Light Airs - at 5 PM a squall from South^d & rain - after which calm - & nearly so to the days end - passed to the South^d of the Sun

from West
variable to
North
Squally, dirty looking weather, with some rain, in Showers
many fish about the ship

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
April					West of London				
Sunday 4	S 8° E	102	0° 51' North	0° 50' North	19° 39				
Monday			South	South					
5	S 1° E	94	0° 44	0° 44	19° 37				
Tuesday									
6	S 33° E	49	1° 25	1° 25	19° 10	17° 39			
Wednesday									
7	E 8° S	14	1° 27	1° 27	17° 25				
Thursday									
8	S 48° W	62	2° 8	1° 52	18° 11	17° 31	1° 33	17° 27	az 13°
Friday									
9	S 42° W	76	2° 40	2° 46	18° 22		2° 4	17° 43	amp 12° 36
Saturday									
10	S 20° W	96	4° 11	4° 11	19° 7		3° 6	18° 38	amp 12° 41
Sunday									
11	S 14° W	106	5° 54	5° 54	19° 32				
Monday									
12	S 27° W	132	7° 52	7° 52	20° 32		6° 31	19° 41	az 11° 25
Tuesday									
13	S 10° W	140	9° 48	9° 47	21° 50		8° 18	20° 50	amp 10° 5
Wednesday									
14	S 29° W	125	11° 35	11° 35	22° 51		10° 17	22° 6	az 9°

One Master, from *Cape de Verdes* towards the *Cape of Good Hope*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
W by S NNE WSW	I calculated to take the SE trade in lat 4° North, & cross the line upon a SSW course in long 21; instead of which the Wind is SW & am making a SSE course in long $19\frac{1}{2}$ - - - - -
W by S $\frac{1}{2}$ South	First part fresh SW winds & squalls; latter part calm & rain Crossed the equator. - - - - -
WSW SW SSW	Light flattering winds & calms, with a short sea from the South'd by the lunar obs ⁿ of this day & the last before the Ship has gain'd 39 leagues to the eastward in 8 days. - - - - -
SSW South & Calm	Thick cloudy weather & the Ship besieg'd with Sharks; & no South east trade to be found: it is to be regretted that the sun has been so very much obscur'd by clouds - morn & evening as to afford no opportunity of ascertaining the Variation - I hope this will not be imputed to inattention - - - - -
S by W South & SSE trade	The lunar obs ⁿ of this day differs 39 miles from the last. at 8 AM took a light SE trade far southerly, & a head beat sea. Twenty sails sat upon a wind. - - - - -
S by E SE SE by S trade	Very faint trade, & a head beat sea - saw an Hermaphrodite brig - hove about to speak her, thinking her to be the old Jack Off but she prov'd a Portuguese - - - - -
SSE to SE	Quite a light breeze. the Ship not sailing so fast as usual imagine her too much by the stern - - - - -
SE SE by E SE by S	A brisk trade wind. brot the ship more by the head; I don't believe any vessels bottom fouled so fast since the memory of man - notwithstanding the Verdegreece bottom - - - - -
SE by S SE	Fresh breezes, & squally at times. sailing 6 th points from the wind with 5 Gall ^t Studd ^g sails sat. - - - - -
SE - S SE by S SE	Strong gales - ship too light, & making much leeway, sent down A & Mizzen 5 Gall ^t yards - - - - -
SE by S SE SE by S	Fresh trade wind, & a confused sea. - - - - -

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Thursday April 15	S 23 W	125	11° 36'	11° 35'	22° 51'	-----	12° 3'	23° 1'	amp 743
Friday 16	S 5 E	139	15° 40'	15° 40'	23° 23'	-----	13° 46'	23° 42'	6° 30'
Saturday 17	S 8 E	103	17° 19'	17° 19'	22° 52'	-----	-----	-----	-----
Sunday 18	S 15 E	77	18° 33'	18° 35'	22° 32'	-----	-----	-----	-----
Monday 19	S 4 E	75	19° 50'	none	22° 27'	-----	-----	-----	-----
Tuesday 20	S 21 E	91	21° 15'	21° 15'	21° 53'	-----	-----	-----	-----
Wednesday 21	S 8 E	102	22° 56'	none	21° 38'	-----	-----	-----	-----
Thursday 22	S 9 W	126	25° ..	25° 2'	22° 0'	-----	-----	-----	-----
Friday 23	S 30 E	126	27° 8'	27° 9'	21° 57'	-----	-----	-----	-----
Saturday 24	S 19 E	84	28° 29'	28° 28'	21° 27'	-----	-----	-----	-----
Sunday 25	S 32 E	76	29° 32'	29° 32'	20° 41'	23° 00'	28° 41'	23° 40'	3-52 az 3-4 amp

One Master, from Cape de Verdes towards the Cape of Good Hope

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
Sbly S Sbly S Sbly S	Moderate breezes and smooth water.
Sbly S East Sbly S	Pleasant weather, smooth water, & a leading breeze
Sbly S East Sbly N	Cloudy weather, smooth water, & little wind
Sbly S East	Moderate breezes, & cloudy, gloomy weather.
East Sbly S Sbly S	Variable fluttering winds - with thick & rainy weather.
Sbly S East Sbly N	Squally, rainy weather, with a heavy swell from SW - & appearance of a violent current
East Sbly S Sbly S	Fresh squalls, & cloudy, with fine rain - no opportunity of ascertaining the variation the 5 days past, but presume there is little or none.
Sbly S Sbly S variable	Hard squalls, & rainy disagreeable weather all this day.
Sbly S Sbly S East	Heavy squalls, unsettled weather, & a confused sea.
Sbly S East Sbly N	Small breezes & flying clouds. - towards the latter part of the day, lost the South east trade winds
N E North NWly N	This day obtained an azimuth & amplitude. - And by lunar observation find the ship 40 leagues to the westward of rect ^d deduced from last lunar & 95 leagues - West of old reckoning from Cape Ann - Consequently am determined to make Tristan de Cunha to verify the business.

Journal, in the Ship Essex. Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Monday April 26	S 38 E	60	30° 18	30° 15	22° 18	-----	29° 53	22° 44	az
Tuesday 27	S 3/4 S	66	31° 11	31° 12	21° 33	-----	30° 18	22° 16	4° 20
Wednesday 28	S 38 E	152	33° 12	none	19° 44	-----	-----	-----	-----
Thursday 29	S 3/4 S	153	35° 10	34° 38	17° 49	-----	-----	-----	-----
Friday 30	S 74 E	52	34° 52	34° 48	16° 46	-----	-----	-----	-----
Saturday May 1	S 46 E	62	35° 31	35° 32	15° 51	-----	-----	-----	-----
Sunday 2	S 43 E	105	36° 49	36° 46	14° 23	-----	-----	-----	-----
Monday 3	E 7 S	72	36° 55	36° 53.23	12° 54	-----	37° 4	14° 5	7-20ay 7-12am
Tuesday 4	E 7 S	140	37° 10	none	10° 00	-----	36° 59	12° 36	az amp 8
Wednesday 5	E 5 S	151	37° 23	37° 25	6° 52	-----	-----	-----	-----
Thursday 6	E 2 S	66	37° 25	none	5° 29	-----	-----	-----	-----

Come Master, from Cape de Verdes towards the Cape of Good Hope

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
NW E S E Calm	First part gentle breezes & flying clouds - latter part calm.
NE WNW NW	Gentle gales, & cloudy weather.
NW	Unsettled weather, at Noon, Tristan de Cunha bore by the long in Moores Epitome S & distant Leagues
NW West SW	A very irregular sea, with appearance of rapid currents, by Obs the ship is 30 miles North of the rock, which I impute solely to the current, as she was not badly steered & I am sure she went thro. the water as fast as the road mark'd
S S W South S by E	Squally weather & a very heavy sea - this day a remarkable circumstance occur'd for which see the first page of the supplementary leaves at the end of the journal
NW North NE NW &c	Very light Air & variable all round the compass with a heavy sea from South, haul'd to the NE
NW SW by W SW	Cloudy weather, with fine rain. Saw a ship running E by S
SW by S North NE NE	The first of this day the water appear'd of a dirty colour at 5 Saw the western Island of Tristan de Cunha, for further particulars see first page of the supplementary leaves.
NE NE by E NNE	Fresh gales, squalls of rain & a following sea. Tristan de Cunha in sight
NNE N by E WNW	Brisk breezes & cloudy, - with steady rains
NW by W North NNE	Moderate breezes & a heavy swell.

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Friday May 7	East	165	37° 25'	37° 26'	1° 53'				
<i>South</i>									
Saturday 8	E 6 N	122	37° 13'	37° 11'	0° 39'	0° 18'	37° 24'	1° 36' W	az 15
<i>East of London</i>									
Sunday 9	N 65 E	29	36° 59'	36° 57'	0° 50'		37° 8'	0° 3' E	az 16° 30
Monday 10	S 39 E	87	38° 5'	38° 4'	1° 59'				
Tuesday 11	S 73 E	114	38° 37'	38° 38'	4° 18'				
Wednesday 12	E 8 S	101	38° 52'	none	6° 26'		38° 39'	4° 44'	az 19° 54 az 19° 42
Thursday 13	E 6 S	124	39° 4'	none	9° 4'				
Friday 14	E 3 30 N	100	38° 58'	39° 3'	11° 12'				
Saturday 15	E 5 N	165	38° 50'	none	14° 43'		39° 2'	11° 43'	az 22° 30
Sunday 16	E 3 N	180	38° 40'	38° 41'	18° 33'				
<i>by salt at 11 o'clock</i>									
Monday 17	E 22 10 N	157	37° 41'	37° 40'	21° 37'				

One Master, from *Tristan de Cunha* towards the *Cape of Good Hope*

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

NNW WSW SW	Rain, & thick weather, with a fresh breeze.
SW South SE	At 4 PM by lunar observation the ship was in long 1. 52 W of London, being 21 miles astern of her reckoning deduc'd from last lunar, which pretty much decides the long of <i>Tristan de Cunha</i> .
SE ESE East	Very little wind, & that little right ahead.
SE Ely S ENE	A kind of a moderate head wind, & cold weather.
SE & N NE NEly E	Light air, & dark, gloomy weather.
NE NEly N	Moderate & cloudy weather.
NE NEly N NE	Gentle gales & clear weather.
NEly N North NNW	Just last baffling weather & cloudy. latter part wind haul'd to the west & more steady, studding sails & all set.
NE NEly E North	Hard gales & a heavy sea from the north'd threatening weather.
NE NNW WNW	Hard gales, & some very heavy squalls, running under Fore sail. thus we have doubled the <i>Cape of Good Hope</i> in 87 days.
West WNW Wly S	Very heavy squalls -- kept the ship swinging to the North? as well to keep her away from the sea, as to give a good berth to the <i>Telemaque</i> shoals.

Journal, in the

Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Tuesday May 18 th	E 9 S	144	38° 2	38° 2	24° 37				
Wednesday 19	E 3 N	121	37° 56	none	27° 9				
Thursday 20	E 5 N	90	37° 48	2 one	29° 3		37° 48	28° 21	amp 29° 30
Friday 21	E 4 S	104	38° 1	38° 2	32° 56				
Saturday 22 ^d	E 8 S	166	38° 24	38° 25	35° 24				
Sunday 23	E 3 N	130½	38° 18	38° 18	39° 19				
Monday 24	E 10 S	130	38° 40	38° 40	42° 2		38° 29	39° 37	ag 32
Tuesday 25	E 11.30 N	123	38° 16	38° 16	44° 34				
Wednesday 26	N 73 E	75	37° 54	none	46° 5		38° 6	44° 44	ag 30
Thursday 27	E 9 S	140	38° 17	38° 18	49° 10				
Friday 28	E 4 S	160	38° 30	38° 29	52° 42				

Orne Master, from the Cape of Good Hope towards Dondra head, Ceylon.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
West -- WNW WSW	Thunder & lightning, with a deluge of rain; wind flying about & blowing very heavy in squalls, all this day.
West -- WNW NW --	Squally unsettled weather, with rain, hail, sleet, snow, & every thing else.
W by N NW NNW	Variable winds & flattering. a heavy swell from the Southward.
NNW NW WSW	Strong breezes; at midnight a confound'd hard squall
West W by N WNW	Brisk breezes, flying clouds &c.
NW by W variable	Fresh gales & a heavy sea, the compass in the Binnacle swinging 8 points, tried every one on board but to no purpose.
NW	Moderate breezes & flying clouds.
West SW S by E	Variable winds, rain in squalls.
SE by E to East & NE	Variable winds, finally settled in the NE quarter.
NNW NW WSW	By a lunar obs ⁿ the Ship appears to have been 2 degrees astern, but the sea ran very high, the moon obscured by clouds & higher than the sun, so that the obs ⁿ I think not correct
NW WSW	Fresh breezes & squalls of rain

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Saturday May 29	E 1 S	150	38° 31	38° 32	56° 4		38° 30	53° 16	amp 29
Sunday 30	E 4-30 N	131	38° 23	38° 23	50° 51				
Monday 31	E 2 S	174	38° 29	none	62° 33		38° 24	59° 47	az 27
Tuesday June 1	E 3 S	123	38° 35	38° 36	65° 9				
Wednesday 2	N 76 E	164	37° 55	37° 50	68° 31				
Thursday 3	N 66 E	140	37° 1	37° "	71° 12				
Friday 4	N 69 E	50	36° 39	none	72° 19		36° 56	71° 21	az 21° 30
Saturday 5	N 70 E	87	36° 3	none	74° "				
Sunday 6	N 66 E	155	35° 0	35° 9	76° 54				
Monday 7	N 51 E	143	33° 39	33° 40	79° 8				
Tuesday 8	N 41 E	81	32° 40	32° 39	80° 11	77° 22			

Ornel Master, from Cape of Good Hope towards Soudra Head. Ceylon.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
West W. N. W. N. W.	Moderate breezes & pleasant weather.
W. N. W.	Rainy, drizzling weather.
N. W. W. N. W. S. W.	Squally, unsettled weather, latter part inclining to calm.
Calm N. E. N. W. N. W.	This day begins with a calm, & ends with as much wind as we know what to do with.
N. W. West W. S. W.	Towards the close of the day, a hard gale of wind & a very heavy sea.
W. by S. S. E. W. South.	Rain & hail in abundance.
S. W. West W. N. W.	Gloomy, obscure weather, no lunar observation, which is really a disappointment.
West W. N. W.	Moderate weather & variable winds.
W. N. W.	Gentle gales. cloudy weather.
N. W. West	Fresh squalls, with rain.
West W. N. W. N. W.	By means of two good Lunars the Ship is 47 leagues astern of the reckoning. & she is eternally astern.

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Wednesday June 9	N 30 E	93	31° 25	31° 24	78° 29				
Thursday 10	N 50 E	77	30° 35	30° 41	79° 38		31° 11	78° 42	12° 24
Friday 11	N 39 E	70	29° 41	29° 47	80° 34				
Saturday 12	N 24 W	26	29° 23	29° 24	80° 22		29° 31	80° 33	11°
Sunday 13	North	42	28° 42	28° 42	80° 22				
Monday 14	N 5 E	87	27° 16	27° 16	80° 29		28° 29	80° 22	10° 50
Tuesday 15	N 4 W	85	25° 52	25° 52	80° 23				
Wednesday 16	N 4 W	122	23° 51	23° 51	80° 13		25° 31	80° 22	10°
Thursday 17	N 8° 30 W	145	21° 20	21° 20	79° 50				
Friday 18	N 10 W	117	19° 33	19° 33	79° 20		20° 57	79° 46	7°
Saturday 19	N 29 W	63	18° 38	18° 30	78° 55				

Come Master, from Cape of Good Hope towards Dondra Head, Ceylon.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

NW
NNW
NW

Rainy weather.

NW by N
N by W

A current (I suppose) setting to the South^d

N by W
NNW
W by W

Same current as yesterday.

NW by W
SE
North

Light Air, all round the compass.

WNW
WSW
W by S

Light variable winds. rain in showers.

WNW
WSW
NW

Correct^d for a southerly cur^t of 6 miles.

W by N
West
WSW

Same current —

South
SE by S
SE

Fifteen miles Southerly Current —

ESE
East
E by E

Same current setting her Stern Foremast —

ESE
SE by E

no Current.

WSE
ESE
SE

Took the SE general Winds. — — — —

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Sunday June 20	N 4 W	135 1/2	16° 23	South none	East of London 78° 45		18° 17	78° 54	4° 20 Ampl
Monday 21	N 3 W	150	13° 43	none	78° 37				
Tuesday 22	N 5 W	96	12° 8	12° 11	78° 27				
Wednesday 23	N 8 W	90	10° 42	10° 43	78° 14		11° 50	78° 26	2°
Thursday 24	N 1 E	91	9° 12	9° 16	78° 16	74° 30			
Friday 25	N 34 E	93	7° 59	8° 0	75° 23				
Saturday 26	N 57 E	107	7° 1	none	76° 54				
Sunday 27	N 23 E	89	5° 39	none	77° 28				
Monday 28	N 2 W	111 1/2	3° 48	none	77° 24				
Tuesday 29	N 4° 30 E	94	2° 15	2° 3	77° 31		no variation		
Wednesday 30	N 9 E	92	0° 32	0° 39	77° 45				

Orne Master, from Cape of Good Hope towards Soudra Head. Ceylon.

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

SE.
ESE.
badev.
Gentle gales & cloudy weather

E by S.
East.
E by N.
Squally & rainy. many birds flying about.

E by N.
ESE.
moderate with rain, a SE trade far Northerly.
Thousands of birds.

E N E.
E by E.
E by N.
The ship so light & so very foul, as to make to point seaway
with the wind abeam. Birds innumerable.

E by S.
SE.
E by S.
By means of two good Lunar Observ^{ns} found to my inexplicable
astonishment, that the ship was in Long 74° 30', having been carried
by current or bad steering. 4° to the West in 17 days.

ESE.
ESE.
Should to, to get more Easting.

SE.
ESE.
Squally, with fine rain. sent the sheet cable.
many birds.

SE.
ESE.
South -
thick weather with a deluge of rain, sound'd every two hours
in the night for the London Bank, but could not find it: at midnight
haul'd off for fear of running on Alder Canker &c.

South.
SW.
WSW.
Lost the SE Trade winds.

West
WNW
This appears like the SW monsoon, but it comes a little
too far to the North.

WNW
NW by W
Flying clouds, & hazy weather.

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Thursday July 1	N 4 E	88	0° 49	0° 47	77° 51				
Friday 2	North	66	1° 53	1° 51	77° 51		1° 5	77° 51	2° 0
Saturday 3	N 13 E	10½	2° 9	2° 9	77° 55				
Sunday 4	N 11 E	97	3° 44	3° 44	78° 13				
Monday 5	N 7 W	97	5° 20	5° 20	78° 1				
Tuesday 6				5° 43	At 2 PM by lunar observation beings of the land but so hazy as I could not see it. at 6 am.				
Wednesday 7				6° 00	At 4 PM the eastern land in sight found that we had had a				
Thursday 8				6° 50	Moderate breeze from West to				
Friday 9				7° 14	Light breeze from NW & a shock				
Saturday 10				7° 56	At 6 saw the land, Friars Hood Wind from ESE to South				
Sunday 11	N 9 W	93	9° 28	9° 20	No current to day. & little wind				

One Master, from Cape of Good Hope towards Soudra Road, Ceylon.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W N W.

W by N.

Small breezes, with flying clouds.

W by N

West

W by N

Clear weather, a light breeze & rather scant.

W by N

W N W

Corrected for strong curr^t setting to the South'd.

W N W

to

W by N

Current setting strong to the North'd this day.

West

W by S

Curr^t to the North. Water very much discolour'd.

found the long to be 80° 10' East, at sunset suppos'd myself within 4
not to see a mile. at 7 spoke two Indiaman bound to Madras. Steer'd
saw Ceylon bear'd from NW to NNE 5 leagues, running along shore -

W by N - 6 leagues, at 2 am haul'd up round the Bassas. at noon
Curr^t of 40 miles to the South. Wind W S W to W by S.

SW & 39 miles Curr^t to the South'd.

Sailing along by Chart. no land in sight.

ing Curr^t setting her astern. no land in sight.

W S S. & the Northernmost land in sight W by N & leagues.

very little of it & a Curr^t of 26 miles to the Southward.

W S W

W by S

The ship so light & crank, that I am oblig'd to keep along
close in shore, for fear of taking a NW Gale & getting
blow'd off to the Devil.

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Monday July 12	N 1/4 W	100	11° 5'	11° 1'	not much current to day				
Tuesday 13	N 1/3 W	126	13° 4'	12° 54'	10 miles current				
Wednesday 14	N 1/6 W	99	14° 20'	none					
Thursday 15	N 1/4 W	82	moderate & cloudy. bent the best Bower. in the night kept to 7 fathoms, had a sight of the land to the Westward of point water as thick as a clay pit. Wind WSW & looking						
Friday 16	Hard Gale, run down till 4 P.M., had 20 fathoms, then it was so Fore sail & Myn stay sail. got a swifter shroud on the Fore								
Saturday 17	First part hard Gale. Standing in shore, at midnight 20 fathoms, & run down; Latter part flying clouds & squally at noon point the current has kept us to windward. Lat Observed 16° 34' N								
Sunday 18			18° 21'	18° 3'	Gentle Gale & cloudy weather WSW. about 6 leagues from the				
Monday 19				18° 52'					
Tuesday 20				19° 17'					
Wednesday 21				19° 30'					
Thursday 22				none					

One Master, from *Ceylon* towards *Balassore Roads*

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W by S
W S by S

Light Air & flying clouds, steering for point Gordenware.

W S by W
W by S

Squally, disagreeable weather.

W by S
&c

Threatning weather; single reef top sails.

the lead going. water very muddy, at 10 fms no ground. at 4 past 10, shoaled suddenly
Gordenware, thick & rainy, rose round stood off, & in 10 minutes had no ground at 80 fathoms
likely to blow. found the Fore mast head, badly sprung.

thick & blow'd so hard haul'd by the wind & laid off & on under the
mast head

stood off at 2 stood on again. at 5 saw the land 3 leagues distant, bore away
Gordenware, bore WNW. 5 leagues. so that the we have been laying by 40 hours

Wind WSW & SW. at noon the easternmost land bore NNE, & the western
land abeam; 35 fathoms water. Strong Current to the SW.

SW
SW

The Current has set us 50 miles to the South & as much to the West
at 11 spoke Ship Actress from Calcutta for New York, at noon
Panjam bore N by E 1/2 E 13 leagues.

SW by S
SW

Light Air, & cloudy. the Current setting astern as fast as we
can go ahead - at noon 35 fathoms water.
can carry no sail on the Fore mast.

SW
N by E
SW

Calm & flattering: a Country Brig in E. 25 fathoms water.
at 9 AM saw Jaggernaut Pagoda bear, NE 9 leagues
17 fathoms water.

WNW.
NW.
WNW.

At 6 PM Jaggernaut Pagoda bore NNE. 4 leagues. 15 fath water.
at noon Black Pagoda W^{1/2} N 6 leagues. 27 fath water

Journal, in the Ship Essex, Joseph

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.

Friday
July
23

none

Saturday
24

Run along N.E. keeping 16 fath¹. at midnight deep^d to 17 faths, —
the reef of Point Palmyras, Shoalend gradually to 15 faths, at 4 am.
& run up — beat all the way from the French Flat to Garden Reach.

It is probable the passage down the Bay would have been
was so light & crank, that I prefer'd keeping in with the land,

From 30th July to the 14 October lay moor'd at Calcutta
began dropping down river, on the 10th at 9 am
the Eastern Channell.

Next page begins the Journal home —

Orne Master, from Jaggernaut Pagoda towards Balasore Roads. —

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W.W.S.W.
S.W. —

At 3 P.M. a very heavy tornado, all round the Compass, with thunder & a deluge of rain. Hove to a hulk: at noon False point bore North. 6 leagues. all sail set. aft.

haul'd up North had 10 faths, haul'd up N.W. & N.W. by N judging myself round a pilot vessel at anchor, hove to along side of him. at day light took a pilot. — July 30 haul'd under four anchors at Calcutta — much shorter, had I kept farther from the shore; but the ship especially after the misfortune of springing the Foremast. —

on the 14th — The Pilot took charge of the ship

discharg'd the Pilot, being then in 5 fathoms water in

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Tuesday October 19	S 44° 30' E	96	19° 36'	19° 36'	80° 21'				
Wednesday 20	S 4° W	113	17° 45'	17° 45'	87° 50'				
Thursday 21	S 17° W	107	16° 3'	16° 4'	87° 26'				
Friday 22	S 22° W	69	15° "	none	86° 59'				
Saturday 23	S 24° W	52	14° 12'	none	86° 37'				
Sunday 24	S 9° W	33½	13° 39'	13° 40'	86° 32'				
Monday 25	S 43° E	22	13° 24'	13° 24'	86° 47'				
Tuesday 26	South	14	13° 10'	13° 10'	86° 47'				
Wednesday 27	South	38	12° 32'	12° 32'	86° 47'				
Thursday 28	S 17° W	34	12° 0'	11° 59'	86° 37'				
Friday 29	S 10° E	29	11° 31'	11° 31'	86° 46'				

One Master, from *Calcutta* towards *Cape of Good Hope*.

Winds. **Weather, Currents, Bearings of the Land, and Remarkable Occurrences.**

N. E.
N. E.
Ely N. At the commencement of this day. Point Palmyras bore by estimation
W. S. W. dist^d 23 leagues. from which I take my departure.

Ely N.
E. N. E. A current rather setting to the Northward.

East.
Ely S. Hard squalls, disagreeable weather.
The Northampton, Indiaman in company.

Ely S.
S. E.
Ely W. Variable winds & rainy. Northampton in Co.

S. E.
S. E.
Ely S. E. Squally weather, variable winds. Northampton in sight.

S. E.
S. E. Ely S. Light airs from every point of the Compass.
Ely W.

South.
S. W.
N. E. Ely S. Calm. The S. W. monsoon is done: & the N. E. has not begun.
Calm. betwixt S. W. & S. E.

Ely N. E.
Calm.
East. A great days work. 6 miles northerly current.

Ely S.
Calm.
North. a Northerly current again.

N. E. W.
Calm.
S. E.
South. Saw a sail to the Westward becalm'd.

S. E.
Calm.
N. E.
East. A very little wind from the North & a great swell from the South.

Journal, in the Ship Essex. Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Saturday October			North		East of London				
30	South	34	10° 57	10° 56	86° 46				
Sunday									
31	South	36	10° 20	10° 20	86° 46				
Monday November									
1	S 16 W	11	10° 10	none	86° 43				
Tuesday									
2	South	27	9° 43	none	86° 43				
Wednesday									
3	South	82	8° 21	8° 21	86° 43				
Thursday									
4	South	45	7° 36	7° 36	86° 43				
Friday									
5	South	22	7° 14	7° 14	86° 43				
Saturday									
6	S 3 W	38	6° 36	6° 36	86° 41				
Sunday									
7	S 55 W	41	6° 13	6° 13	86° 8				
Monday									
8	S 12 E	9	6° 4	6° 4	86° 10				
Tuesday									
9	Retrograde			6° 11	86° 8				

Onne Master, from Calcutta towards Cape of Good Hope.

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

East.
Calm.
Nly E. very small winds. a tedious piece of work.

North.
E N E.
E S E. Latter part Start Calm.

Sly S.
Calm.
North. A large swell from the Southward.

Calm. Calm. North. NW. & N.

NW.
Calm.
NW.
N.W. These three days we have been carried 53 miles to the South by the current. Correct accordingly.

NW.
North.
NW E. Creeping along with a light air.

Calm.
Sly S.
NW.
W N W. Baffling & rainy.

Calm.
NW E.
East.
E S E. Smooth water.

Sly S.
Sly S.
South. Light air, & calm at times.

Sly S.
Calm.
Sly a great run —

Calm 2 miles westing is all she has made

Journal, in the Ship Essex. Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Wednesday November 10	S 22 W	26	5" 47	5" 47	85" 58				
Thursday 11	South	81	4" 26	4" 26	85" 58				
Friday 12	S 3 E	91	2" 55	2" 55	86" 3				
Saturday 13	S 11 E	71	1" 45	none	86" 17				
Sunday 14	S 15 E	82	0" 26	none	86" 38				
Monday 15	S 14 E	33	0" 6	0" 7	86" 46				
Tuesday 16	S 5 E	92	1" 38	1" 38	86" 54				
Wednesday 17	S 1 E	63	2" 41	2" 41	86" 55				
Thursday 18	S 9 W	106		4" 26	86" 38				
Friday 19	S 10 W	86	5" 51	5" 51	86" 23				
Saturday 20	S 10 W	68	6" 58	none	86" 11				

Cone Master, from Calcutta towards Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
N by W. SE. N by S.	Light Air, all round the compass & a very heavy swell from SE by W which has bow'd the ship astern 10 miles.
N by W. West.	Squally. for the last 20 days before this, our average distance has been 27 miles per day. promising a short passage.
West. W by W. N by S.	Correct 12 miles cur. to the South'd.
W by W. SW. N by S.	Thick, & rainy weather.
N by S. N by W.	Squally, unsettled weather.
S by W. SW. W by W.	Calm & Flattering. Thunder & lightning at a distance.
N by W. W by S. W by W.	Hard squalls. about 1 st Variation I suppose -
W by W. West. N by W.	Correct 9 miles southerly current or overrun.
N by W. SW. West.	For 7 miles Currit. At 1 AM died Stephen Waters, Seaman: at 7 committed his body to the deep. with the usual solemnities.
West. SW. N by S.	Correct 10 miles currit these 24 hours. to the South'd.
W by W. W. North.	Very variable winds & cloudy. - - - - -

Journal, in the Ship Essex. Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Sunday November			South		East of London				
21	S 7 W	112	8° 49	8° 49	85° 58				
Monday									
22	S 20 W	99	10° 22	10° 22	85° 25				
Tuesday									
23	S 20 W	125	12° 19	12° 17	84° 41		10° 44	85° 16	2° 30 W
Wednesday									
24	S 21 W	100	13° 50	13° 49	84° 4				
Thursday									
25	S 30 W	104	15° 19	none	83° 10				
Friday									
26	S 32 W	120	17° 1	none	82° 4				
Saturday									
27	S 57 W	166	18° 32	18° 32	79° 38				
Sunday									
28	S 63 W	167	19° 48	19° 48	77°		19° 3	79° 18	5° 50 W
Monday									
29	S 64 W	168	21° 1	21° 1	74° 19				
Tuesday									
30	N by S 4 S	144	21° 49	None	71° 53	72° 1			
Wednesday December									
1	N 21 S	154	22° 44	22° 17	69° 18				

Arne Master, from

Calcutta

towards the Cape of Good Hope.

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
NW. WNW. North.	Moderate cloudy weather Corrected for 31 miles southerly current in two days
NE E. NW. NE E.	Light air, thick, & rainy —
NE E. NE E. NE E. N.	Gentle breezes, flying clouds —
NE E. East — &c.	Clear weather with moderate winds. —
Ely S. SE E. E E.	A heavy swell rolling from SE, which indicates the SE trade wind.
SE E. SE	Took the SE general winds —
SE trade.	By correction, the ship continually yawing off her course —
SE Steady	Ship yawing off very much —
SE	— going off still —
SE SE E.	The longitude observed & that by account are so nearly alike that I make no correction — but jog along by the first longitude
SE E. SE	27 miles northerly current there 2 days as the ship has certainly not gone off her course —

Journal, in the Ship Essex, Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Thursday Decem ^r									
2	W ¹ SW	131	23° 7'	none	67° 7'				
Friday									
3	W ¹ by S	112	23° 29'	23° 8'	65° 7'				
Saturday									
4	W ¹ by S	86	23° 25'	23° 27'	63° 35'				
Sunday									
5	W ¹ by S	47	23° 34'	23° 24'	62° 45'				
Monday									
6	W ¹ by S	89	23° 44'	23° 46'	61° 10'		23° 29'	62° 25'	12° ^{az}
Tuesday									
7	W ¹ by S 30° S	85	24° 6'	24° 6'	59° 39'				
Wednesday									
8	W ¹ by S	102	24° 13'	24° 13'	57° 47'		24° 7'	59° 11'	14° ^{az}
Thursday									
9	S ¹ by W	93	24° 33'	24° 32'	56° 7'				
Friday									
10	S ¹ by W	64	24° 45'	24° 45'	54° 59'				
Saturday									
11	S ¹ by W	104	25° 17'	25° 10'	53° 10'				
Sunday									
12	S ¹ by W	120	25° 53'	none	51° 4'				

Orne Master, from Calcutta towards the Cape of Good Hope

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

E. by S. East.	very faint trade wind
East.	Wind all dying away 21 miles northerly current in 2 days
East. E by N.	lost the SE generall wind { the wind never blows for us as it does for other people. }
E. N. E. E by N.	light air next to calm — & a northerly current
East. E by S.	All sail set but going very slowly —
East.	very light wind Saw a ship stand to the N. N. E. bound I suppose to the Ile of France
East. E by N. E. N. E.	flying clouds — but little wind.
E. N. E. S. W. by S. E. N. E.	at 3 took a squall from SW. — in light sails
all round the compass	Baffling wind
N. E. E by N. N. E.	Wind in spirits — a thick vapour in the air —
N. E. N. by W. West	fresh squalls from the westward — reef'd top sails

Journal, in the Ship Essex Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Monday December 13	S 60 W	39	26° 7'	26° 5'	50° 24'	-----	25° 54'	51° "	az 20° 22'
Tuesday 14	S 69 W	55	25° 24'	26° 21'	49° 27'	-----			
Wednesday 15	S 70 W	101	26° 56'	26° 54'	47° 42'	-----			
Thursday 16	N 71 W	167	27° 58'	none	44° 49'	-----			
Friday 17	S 69 W	159	28° 55'	28° 46'	42° "	-----			
Saturday 18	S 65 W	160	29° 54'	29° 54'	39° 14'	-----	29° 4'	41° 17'	az 25° "
Sunday 19	S 63 30 W	117	30° 46'	none	37° 13'	38° 10'	-----		
Monday 20	S 65 W	112	31° 34'	31° 38'	36° 20'	-----	31° "	36° 42'	az 27° 50'
Tuesday 21	S 62 W	157	32° 51'	32° 48'	33° 37'	-----			
Wednesday 22	S 63 W	136	33° 50'	none	31° 13'	-----			
Thursday 23	S 74 W	79	34° 13'	none	29° 41'	-----			

The Master, from *Calcutta* towards *the Cape of Good Hope*

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

all round

the Compass

Light baffling winds & a great sea right ahead there 4 days past -

*fly E.
fly N.
N.E.*

Light air & clear -

*N.E.
N.W.
South.
fly E.*

at 6 a thunder squall rising - in light sails - at 7 close reef'd topsails & hand'd them & every other sail - for about an hour very heavy thunder then a gust of wind from south - at 9 a fine breeze made sail again -

*fly E.
fly E.*

Brisk breezes & heavy rains.

*fly E.
fly E.
South.*

A heavy swell from the Southth has bore her to the Northth

South.

flying clouds & a brisk breeze.

*fly W.
South.
fly W.*

fine weather - by lunar observation the ship appears to be 10 leagues astern of the reckoning -

*South.
East.
fly E.*

flying clouds with squalls of rain -

*fly E.
fly N.E.
East.*

Brisk breezes & a confused sea.

*N.W.E.
North.
fly W.*

at 10 the wind died away at North & then flew round to S.W. & blew heavy - just like the winds flyg from S.E. to N.W. on our coast.

*fly W.
fly W.
fly W.*

Hard gales. heavy sea from W. & plenty of rain.

Journal, in the Ship Essex Joseph

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Friday December 24	N 81 W	40	34° 7'	34° 24'	20° 54'	---	---	---	---
South East of London									
Saturday 25	S 17 W	24	34° 47'	34° 46'	20° 46'	---	---	---	---
Sunday 26	S 86 W	31	34° 40'	34° 40'	20° 8'	---	---	---	---
Monday 27	S 79 W	39	35° 14'	35° 16'	26° 25'	---	---	---	---
Tuesday 28	W 8 S	19	35° 19'	35° 19'	26° 3'	---	---	---	---
Wednesday 29	N 70 W	32	35° 8'	35° 5'	25° 25'	26° 20'	35° 19'	26° 45'	28°
Thursday 30	S 84 W	39	35° 9'	35° 9'	25° 33'	---	---	---	---
Friday 31	S 64 W	84	35° 46'	35° 46'	24° "	23° 54'	---	---	---
1803 Saturday 1 January	-----		35° 36'	estimated	22° 45'	obs ^d at 8 P.M. long 23° 25'	35° 40'	22° 59'	27° 50'
Sunday 2	beating with a head wind		35° 24'	21° 50'	by the soundings		---	---	---
Monday 3	head wind & calm		35° 16'	21° 38'	by estimation		---	---	---

One Master, from Calcutta towards Cape of Good Hope

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

SW.
SW.
West. A strong current, probably from the Mosambique channell, has set her 14 miles to windward in three days. it can be nothing else, for she is always fond of making as much leeway as we allow her —

WNW.
NW.
WSW. Squally - unsettled weather.

Wly S.
NNE.
ENE. Latter part a light air from the NE.

NNE.
North.
NWly N. all the fair wind blown away - Thunder at the westward.

NW.
West.
SW.
NW. Baffling winds.

WNW.
Calm.
Wly N. A White squall - description of which see { saw a ship to windward }
Page 3^d of the extra leaves - end of the Book —

all round
the
Compass water discoloured } If the current runs SW as I suppose it does
no ground at 180 fathoms } it has set about 14 miles last 24 hours

ENE.
WNW.
WSW. Current about SW - 34 to 40 miles - to the best of my judgment from the diff of Lat - & the diff of the lunar observations —

West.
WNW.
NW. at 9 am sound d. 76 faths on Lagallas Bank, fine sand & a greenish cast. at 11 past a Ship under Dutch colours. the Current last 24 hours has set about 40 miles to the westward.

Wly N.
WSW.
WSW. at 11 am. Lat 35° 24' sound d. 60 faths - greenish sand & small pieces of broken shells - very little or no current on the bank ... the Dutchman under the lee —

Wly N.
West by S.
Calm. Latter part calm - caught 5 fish. of a red colour. such as are frequent in the W Indies - 65 faths water. no current, going out on the edge of the bank to find some - the Dutchman away to leeward.

Journal, in the Ship Essex, Joseph

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Thursday January									
4	head wind & calm			35° 24	21° 27	by the look of the land			
Friday									
5	lying to in a Gale of wind blowing heavy		35° 30	comput	Long 21° 20				
Saturday									
6	more mod but still ahead		35° 34		21° 0	reck myself on the pitch of the Band.			
Sunday									
7	wind still in end		35° 22		20° 25	by the appearance of the land			
Monday									
8	Gunn's Run beat NNE 12 leagues		35° 27		19° 45	Variation here is -- 26° 10 W a light air of wind from			
Tuesday									
9	Wind to the westward again		35° 31		19° 14		35° 30	19° 40	26° 13
Wednesday									
10				34° 39	17° 50				
Thursday									
11	N 53 W	140	33° 15	33° 15	15° 35				
Friday									
12	N 56 W	120	32° 8	32° 5	13° 38		32° 55	15° 23	25° 15
Saturday									
13	N 57 W	94	31° 14	31° 17	12° 3		31° 48	13° 8	24°
Sunday									
14	N 56 W	83	30° 30	30° 27	10° 43				

One Master, from *Calcutta* towards the *Cape of Good Hope*

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W. by S.
N. by W.

Caught a dozen or twenty red fish - some sharks, & 2 large rusty fellows resembling in some degree - at half starved logy head'd cod fish - 55 fathoms at noon green sand & pebbles. Land bearing N. by E. 11 or 12 leagues

W. by N.
W.
W. by N.

I have come on to the edge of the bank to find a current, instead of which have got a gale of wind - going in again -

West.
W. by N.
W. by S.

at noon 55 fathoms. coarse sand. gravel. & sea eggs -

W. by N.
West.
Calm.

at 6 AM saw the Mountains back of Cape Lagullas bearing N. by E.

South.
S. by E.
& East.

at noon sound'd 82 fathoms soft mud & ooze - which verifies what the Directory says - mud to the Westward & sand to the eastward of Cape Lagullas. - { may be sure of being to the W. of Lagullas - when the water deepens & bottom changes - from sand to mud

S. by E.
W. by N.
N. W.

The land between Lagullas. & Good Hope - call'd Bluff Cape bore at 6 AM N. by E. 12 or 14 leagues - no ground at 150 fathoms

South.
S. by E.
S. by E.

at 6 PM saw the Cape of Good Hope - at 7 it bore N. by E. & distant 20 leagues - from which I take my departure - at this distance the Table was just discernable from aloft - at the end of the day it bore by acct N. 61 E. 12 1/2 Leagues

South.
S. W.
West.

Light air & clear - at 11 in the night pass'd a Dutch ship under close reef. the watch on her deck were in so sound a sleep, that they never saw us nor our light, till after I hail'd them, tho they had pass'd within biscuit chuck. & I believe when he saw our ship he thought it was the land -

W. by N.
S. W.

There seems to be more variation here than I expected. but so it is.

S. W.
S. by W.
S. by E.

Gentle breeze, & smooth water.

S. W.
S. by E.

Cloudy weather, with a moderate breeze.

Cone Master, from the Cape of Good Hope towards St. Helena.

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

SE.
to South. Smooth water, and a gentle breeze: a very heavy dew.

SE.
SE by S. Fresh breeze, & a heavy sea running head over heels: the Ship steering most horribly wild. 10 miles off the coast for yawning — South East general wind.

SE. S.
SE. Dark & gloomy weather. 10 miles off for wild steering.

SE by S.
9 miles off for wild steering.
Cloudy weather with a prodigious great sea. refreshments growing short kept to a little determined to touch at St. Helena.

SE by S.
SE. Dull, cloudy weather with squalls & rain.
9 miles off for wild steering.

SE.
SE by S. Heavy clouds with disagreeable weather, the most so that I ever knew in those parts of the world.

SE.
SE by S. Squally weather. 10 miles off the coast for wild steering last 48 hours.

SE.
SE by S. Squally, dark, & cursed comical weather for these seas.
pass'd to the Northth of the Sun.

SE.
SE. The moon & stars have been invisible for these 7 days — & the Sun has never made his appearance except just at noon.

WNW. at 8 saw the Island bearing NW 3/4 N 12 leagues — heavy squalls of wind & then again sails about two feet to our one. at noon the SE point of the Island bore SE by S — double run about 10 leagues a head of the vessel — so no great deal of current either way.

think I had been gone long enough to obtain it, stretch'd in, & anchor'd in 12 fathoms; 2 1/2 cables length from the landing place. went on shore to wait on his Excellency a drift with the best bower ahead (of 1600th) run 2 to 90 fathoms & brot her up — —

Journal, in the Ship *Epex*. *Joseph*

Date. 1809	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Wednesday 26	Rec ^d on board 5 Butts of water, 20 Bushels potatoes at 2 ^d for bushels occupying articles. the weather so bad would not send for more water; at 7 holes - dragging the stream anchor with 100 fathoms cable out over the stern.								
Thursday 27	N51W	124	14° 38	14° 45	7° 26				
Friday 28	NW ¹ W	102	13° 48	13° 56	8° 54				
Saturday 29	N61W	91	13° 11		10° 16				
Sunday 30	N59 ¹ W	115	12° 14	12° 15	11° 57				
Monday 31	N60W	123	11° 14	11° 19	13° 46		11° 57	12° 30	²⁷ 15° 8 ²⁸ 15° 11
Tuesday 1	N60W	128	10° 16	10° 19	15° 39				
Wednesday 2	N59W	120	9° 17	9° 16	17° 24				
Thursday 3	N63W	120	8° 22	none	19° 12				
Friday 4	N63W	119	7° 28	7° 30	20° 59		8° 8	19° 41	²⁷ 5 am 13° 17
Saturday 5	N66W	113	6° 44	6° 44	22° 43		6° 57	22° 13	²⁷ 12° 5

One Master, from *St. Helena* towards *the United States*

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

8 one of ones at the moderate price of one Shilling Sterling p^r H. with some other the morning have ahead. she struck adrift with sixty fath^s out. & went out under bare If the wind always blows as it has done these 2 days, it is the most difficult place to hold a ship. Several Sam.

S. by E.

8 miles southerly current - I'd forgotten to mention that while we lay in St. Helena roads the current ran 1/2 knot to the South & continually - whether it is always so I know not -

S.

S. by E.

8 miles southerly Current - pleasant weather.

S.

Gentle gales - almost too gentle - cloudy -

S. by E.

S.

Clear warm weather - fly^g clouds - squally every night.

S.

S. variable

Moderate. unsettled weather - saw a ship in the SW. near NW, N -

S.

S. baffling

The ship in sight passed by us about as fast as if we were lying at anchor.

S.

Moderate weather.

S. by E.

S. by E.

S. by E.

Squalls with rain. — — — — —

S. by E.

S.

Fine weather, with but little wind. — — — — —

S. by E.

More variation here than other have found. — — — — —

Journal, in the Ship Essex, Joseph

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Sunday February 6	N 65 W	118	5" 54	5" 54	24" 29				
Monday 7	N 65 W	116	5" 5	5" 3	26" 14		5" 38	24" 46	az* 9.59
Tuesday 8	N 65 W	118	4" 13	4" 15	28" 1				
Wednesday 9	N 59 W	127	3" 10	3" 15	29" 50		4" 3	28" 24	az 8.5
Thursday 10	N 56 W	128	2" 3	2" 6	31" 36		2" 25	31" 13	az 6.36
Friday 11	N 50 W	97	1" 4	1" 6	32" 50		1" 49	31" 57	amp 6.10
Saturday 12	N 23 W	82	0" 9	0" 9	33" 22		0" 47 S. 33.4		amp 5.28
Sunday 13	N 16 W	58	1" 4	1" 4	33" 38		0" 22 N. 33.25		az 5.
Monday 14	N 37 W	86	2" 13	2" 12	34" 30				
Tuesday 15	N 50 W	94	3" 12	none	35" 42				
Wednesday 16	NW 4 W	107	4" 24	none	37" 1				

Come Master, from *St. Helena*. . . towards the *United States*.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

SE.
SE by E.

Clear weather - light air.

SE.

Smooth water. pleasant weather - very faint breeze -

SE.

Hazy weather -

SE.

Water becoming very much in the night -

SE by E.

unsettled weather: now & then a squall of rain.

SE.
SE.

Light air - hazy weather.

SE by S.
SE.

The SE winds begining to fail. I have kept her to the North's so as to get hold of the NE winds the sooner.

from
SE.
SE.

Rain & squalls - more variation here by our compass than is commonly found.

SE by S.
SE.
SE.

Wind very variable. A deluge of rain, pouring incessantly.

SE by S.
East.
SE.

Thick weather. plenty of rain. Noah's flood over again.

SE by S.
East.
SE.

Winds very variable - more rain. thick weather.

Journal, in the Ship Essex, Joseph

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Thursday February 17	NW 1/2 W	110	5° 48'	5° 25'	38° 32'				2° 0'
Friday 18	N 58° W	121	6° 29'	6° 36'	40° 15'				
Saturday 19	NW 1/2 W	152	7° 41'	7° 39'	42° 30'				amp. 1°
Sunday 20	NW 1/2 W	135	8° 56'	8° 49'	44° 23'				
Monday 21	NW 1/2 W	145	10° 9'	10° 6'	46° 25'	no variation			
Tuesday 22	NW 1/2 W	145	11° 26'	11° 26'	48° 28'				
Wednesday 23	NW 1/2 W	119	12° 32'	12° 28'	50° 9'				
Thursday 24	N 53° W	102	13° 29'	13° 26'	51° 32'				
Friday 25	NW 1/2	103	14° 38'	14° 36'	52° 48'	53° 8'			
Saturday 26	N 47° W	74	15° 26'	15° 19'	53° 43'	53° 39'	within 8 miles of long. an		
Sunday 27	N 47° W	84	16° 16'	16° 15'	54° 46'	54° 46'			

Orne Master, from *S^t Helena* towards the *United States*.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

ESE
NNE

Cloudy, unsettled weather. 3 days corrected in one —

NE.

Thick weather: heavy clouds &c. —

NE.
NNE

Brisk breezes & hazy weather. —

NE.
NNE

Fresh breezes, with thick weather. —

NE.
NNE

flying clouds. — moderate breezes. —

NE.
NNE

moderate trade wind —

East.
ENE

nothing remarkable

NE.
NNE

flattering, & variable winds. —

NE.
NNE
NE.

clear weather.

NNE
NNE

Long by acct & observⁿ very nearly the same —

North.
NNE
NE.

a sail in sight — — — — —

Journal, in the Ship Essex, Joseph

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Monday February			North		West.				
28	NW	107	17° 31	17° 30	56° 5	-----	no variation		
Tuesday March									
1	NW by N	106	18° 55	18° 57	57° 12	-----			
Wednesday									
2	N 51 W	129	20° 14	20° 18	59° "	-----			
Thursday									
3	N 55 W	137	21° 32	21° 33	61° "	-----			
Friday									
4	NW by W	133	22° 45	22° 47	62° 59	-----			
Saturday									
5	NW by W	88	23° 36	23° 35	64° 18	-----			
Sunday									
6	N 36 W	42	24° 9	24° 9	64° 44	-----			
Monday									
7	N 42 W	58	24° 52	none	65° 27	-----			
Tuesday									
8	NW by W	151	26° 16	26° 20	67° 46	-----			
Wednesday									
9	N 54 W	107	27° 23	27° 26	69° 22	-----			
Thursday									
10	N 54 W	71	28° 8	28° 9	70° 26	-----			

One Master, from *St. Helena* towards the *United States*.

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

N by N

gentle gales & clear weather.

N E.
E N E.

Ditto.

E N E.
East.

A ship in sight running before the wind.

E by S.
East.

flying clouds, & a clever trade.

East.

gentle breezes.

E by S.
E by E.

Latter part very moderate. — almost calm.

E by S.
N E E.
South.
W by S.

All round the compass.

West.
W N W.
North.
N N E.

variable winds, but more steady towards the end of the day.

N E E N
E by N
East.

Many vessels in sight.

S E.
South.
W S W.

a great swell — but little wind.

West.
N N W.
S E.

Wind flying all round the compass. — squalls — & every thing.

One Master, from *St Helena* towards *New York*.

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

N E by N
S

A head beat sea, & squally weather.

N E
N E by E
N E

Thick weather. wind in puffs.

East-
E S E
S S E

In the gulph streams - a northerly current.

S S E
S S
E S E

Cloudy - saw a ship in the NW - running N N E.
Several sail in sight - smooth water - & a gentle breeze.

E S E
S S E
S by N

Pleasant weather & a clever breeze.

S S W
S W

Many vessels in sight - brisk breezes & hazy.

N S W

at 4 am found bottom in 45 fathoms water - at 8. 38 faths
sandy bottom - at 11 wind flew round to the North; took in sail.

N N E

at noon calm & thick weather.

Several fish - had 18. 19. & 20 fathoms water -

Sandy hook bears N N W $17\frac{1}{2}$ leagues - spoke a ship from N York for Norfolk

all night with wind from N S W. at day light saw the land - at 8 the
at 3 in the afternoon took a pilot. & at 8 anchored inside Sandy hook with
NB. this day contains 36 hours -

Sailed from N York for Salem, went over Nantuck "Shoals"

after a Voyage of 13 months & 10 days - Amen -

[illegible]

Remarks on the 7th leaf of the Journal Friday 30th April 1802—

At 2 hours afternoon felt a sudden and very violent shock, as if the ship had struck on something under water; its duration was one minute & a half, when every thing on board trembled like an aspen leaf; the ship appeared to have lost her way considerably, & the wheel ropes were entirely slack: the Rudder, at the same time, trembling & jumping, as if the ship was going over a sand bank in smooth water.

The shock was felt first, & most violently, down in the Forecastle, from whence the watch below came running up in a fair consternation. Whether it was occasioned by the ship's running over a dead whale, an old wreck, or by some dreadful convulsion of nature, is undetermined; tho' in my opinion the latter. And had it been night & smooth water, it would have passed very well for one of those shocks, with which our hearts are so handsomely embellish'd.

Remarks on Monday 3 May - 7th leaf of the Journal. I at 5 hours afternoon saw the westernmost Island of Tristan de Cunha, called inaccessible - the extreme South point bearing by compass $E. 48^{\circ} 13'$ leagues, by which I calculate its latitude $37^{\circ} 22'$ South. Its Longitude deduced from my last lunar observation $13^{\circ} 18'$ west of London - which agrees nearer with the Long. in Moors' Epitome, than that in Mr. Bowditch's taken from Staunton's Embassy to China. Variation for Azimuth $7^{\circ} 20'$ & by Amplitude $7^{\circ} 12'$ this Evening

The Island appears high and beto especially the Southern part; the whole much resembling a Gunner's Quoin - Running along to the Eastward; at 3½ hours after midnight discovered the Great Bl. Tristan de Cunha; at 7 saw the Island Nightingale; at half past 7 Inaccessible Island bore by compass S. 46. to S. 1/2 W. 10 leagues; - Tristan de Cunha S. 6. 46. to S. E. 3/4 S. 9 leagues, & Nightingale just visible from De L. S. 6. 46. Variation P. Morning Amplitude 7-20 Westerly,

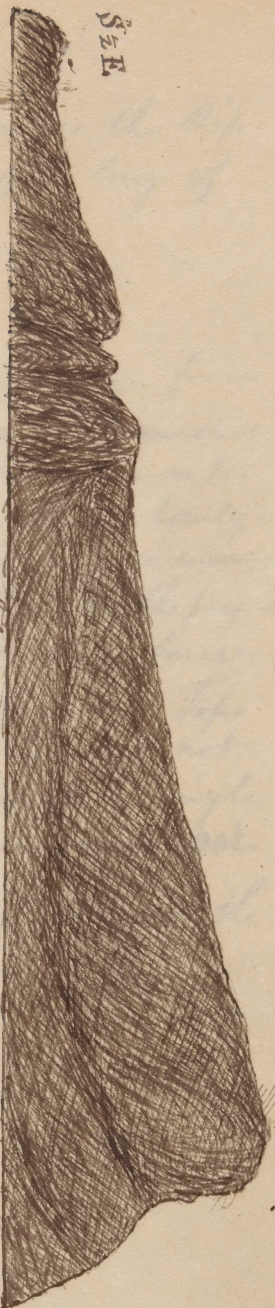
At noon the Peak of Tristan de Cunha bore S. E. 6. 1/2 S. 7 leagues when the alt. of the sun lower limb was 37-22

add semi diam	15-54	parallel 7 is	16-1
			<u>37-38-1</u>
Subtract dip 16 feet	3-56	instead 1-13	5-9
			<u>37-32-52 N.</u>
Zenith dist			<u>52-27-8 S.</u>
Deduce declin ⁿ			<u>15-33-45 S.</u>
True Latitude			<u>36-53-23 S.</u>

making the Latitude of the Island 37-8-24 -

Tuesday 14th May When Tristan de Cunha bore S. 1/2 W. Inaccessible bore S. W. 1/2 S. & to the Best of my Judgement 11 leagues; making a difference in their Long. 28 miles; much more than expressed in any Publication I have seen, Variation P. Evening Amplitude 8 W. - at 6 the Isles Tristan de Cunha & Inaccessible Island both in one bore W. S. W. - consequently they lie from each other, after correcting for Variation N. 30 S. and E. 30 N. & with the dif. of Lat. by Mr Bowditch's Tables. there is between them - 22½ miles departure & 28 miles diff long. as for Nightingale, it was so far distance, that I could form no judgement of it. but it appears to me that the space occupied by the Position of the three Islands forms nearly an Equilateral triangle.

S 2 E



S 3/4 W

Fracepville - 10 leagues distant

S 2 E



Nightingale

S E 1/4 E



S E 3/4 S

Christan de Lunka 9 leagues distant

Fig 2



Fig 1

Fig 3

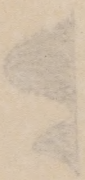


Fig 4



Fig 5

Saturday 8 May the Lunar Obser^r of this day makes the ship
21 miles further to the Westw^d, some confirmation of the long of
these Islands. —

Friday 29 Decemb^r 1802

The day begins with a light breeze from
the Westw^d & the weather remarkably clear. at 2a ~~sudden~~ gust
of wind (call'd a white Squall) struck the Ship, & laid her on her
upper Leathers in an Instant; let fly tacks and Sheets hauly-
-ards, & down Staysails & haul'd up the Main Sail in one min-
-ute or less it was all over hand^d? the light Sails. & while the peop-
-ple were reefing Topsails another gust of wind struck a small
distance eastern which rais'd the water as high as our Tops
& run over the Sea with incredible fury in a space of not
more than 200 Square Yards; after this commenc'd a single
reef Topsail breeze, very clear & the weather much more cool.

It is no use to look out for these winds as there was not the
least appearance of a Squall, —

